



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/727,619

DATE: 09/01/2004

TIME: 11:42:52

Input Set : N:\Crf3\RULE60\10727619.raw

Output Set: N:\CRF4\09012004\J727619.raw

1 <110> APPLICANT: PAHL, HEIKE
 2 <120> TITLE OF INVENTION: PRV-1 AND THE USE THEREOF
 3 <130> FILE REFERENCE: LEDER-1
 4 <140> CURRENT APPLICATION NUMBER: US/10/727,619
 5 <141> CURRENT FILING DATE: 2003-12-05
 6 <150> PRIOR APPLICATION NUMBER: US/09/830,189
 7 <151> PRIOR FILING DATE: 2001-08-06
 8 <150> PRIOR APPLICATION NUMBER: PCT/EP99/07238
 9 <151> PRIOR FILING DATE: 1999-09-30
 10 <150> PRIOR APPLICATION NUMBER: 198 49 044.5
 11 <151> PRIOR FILING DATE: 1998-10-23
 12 <160> NUMBER OF SEQ ID NOS: 9
 13 <170> SOFTWARE: PatentIn Ver. 2.1
 15 <210> SEQ ID NO: 1
 16 <211> LENGTH: 1600
 17 <212> TYPE: DNA
 18 <213> ORGANISM: Homo sapiens
 19 <400> SEQUENCE: 1

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ENTERED

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22	ttcagcatgt	gtggaagggt	tccgacctgc	cccggaatg	gacccctaag	aacaccagct	180
23	gcgacagcgg	cttgggggtg	caggacacgt	tgatgctcat	tgagagcgga	ccccaaagtga	240
24	gcctgggtgt	ctccaagggt	tgcacggagg	ccaaggacca	ggagccccgc	gtcactgagc	300
25	accgatggg	ccccggcctc	tccctgatct	cctacacctt	cgtgtgccgc	caggaggact	360
26	tctgcaacaa	cctcgttaac	tccctccgcg	tttgggcccc	acagccccc	gcagaccag	420
27	gatccttgag	gtgccagctc	gtcttgctta	tggaaggctg	tctggagggg	acaacagaag	480
28	agatctgccc	caaggggacc	acacactggt	atgatggcct	cctcaggctc	aggggaggag	540
29	gcattctctc	caatctgaga	gtccagggat	gcatgcccc	gccagggtgc	aacctgctca	600
30	atgggacaca	ggaaattggg	cccgtgggta	tgactgagaa	ctgcaatagg	aaagattttc	660
31	tgacctgtca	tccggggacc	accattatga	cacacggaaa	cttgggtcaa	gaaccactg	720
32	attggaccac	atcgaatacc	gagatgtgag	aggtggggca	ggtgtgtcag	gagacgctgc	780
33	tgctcataga	tgtaggactc	acatcaacct	tggtggggac	aaaaggctgc	agcactgttg	840
34	gggtcaaaa	ttcccagaag	accaccatcc	actcagcccc	tcctgggggtg	cttgtggcct	900
35	cctataccca	cttctgctcc	tccgacctgt	gcaatagtgc	cagcagcagc	agcgttctgc	960
36	tgaactccct	ccctcctcaa	gctgcccctg	tcccaggaga	ccggcagtg	cctacctgtg	1020
37	tgcagcccct	tggaaacctg	tcaagtggct	ccccccgaat	gacctgcccc	aggggcgcca	1080
38	ctcattgtta	tgatgggtac	attcatctct	caggagggtg	gctgtccacc	aaaatgagca	1140
39	ttcagggtg	cgtggcccaa	ccttccagct	tcttgttgaa	ccacaccaga	caaatcgga	1200
40	tcttctctgc	gcgtgagaag	cgtgatgtgc	agcctcctgc	ctctcagcat	gagggagggtg	1260
41	gggtgagggt	cctggagtct	ctcacttggg	gggtggggct	ggcactggcc	ccagcgctgt	1320
42	ggtggggagt	ggtttgccct	tccgtctaac	tctattacce	ccacgattct	tcaccgctgc	1380
43	tgaccacca	cactcaacct	ccctctgacc	tcataacct	atggccttgg	acaccagatt	1440
44	ctttccatt	ctgtccatga	atcatcttcc	ccacacacaa	tcattcatat	ctactcacct	1500

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45      aacagcaaca ctggggagag cctggagcat ccggacttgc cctatgggag aggggacgct 1560
46      ggaggagtgg ctgcatgtat ctgataatac agaccctgtc 1600
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 437
50 <212> TYPE: PRT
51 <213> ORGANISM: Homo sapiens
52 <400> SEQUENCE: 2
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54      1          5          10          15
55      Pro Gly Val Gln Ala Leu Leu Cys Gln Phe Gly Thr Val Gln His Val
56      20          25          30
57      Trp Lys Val Ser Asp Leu Pro Arg Gln Trp Thr Pro Lys Asn Thr Ser
58      35          40          45
59      Cys Asp Ser Gly Leu Gly Cys Gln Asp Thr Leu Met Leu Ile Glu Ser
60      50          55          60
61      Gly Pro Gln Val Ser Leu Val Leu Ser Lys Gly Cys Thr Glu Ala Lys
62      65          70          75          80
63      Asp Gln Glu Pro Arg Val Thr Glu His Arg Met Gly Pro Gly Leu Ser
64      85          90          95
65      Leu Ile Ser Tyr Thr Phe Val Cys Arg Gln Glu Asp Phe Cys Asn Asn
66      100         105         110
67      Leu Val Asn Ser Leu Pro Leu Trp Ala Pro Gln Pro Pro Ala Asp Pro
68      115         120         125
69      Gly Ser Leu Arg Cys Pro Val Cys Leu Ser Met Glu Gly Cys Leu Glu
70      130         135         140
71      Gly Thr Thr Glu Glu Ile Cys Pro Lys Gly Thr Thr His Cys Tyr Asp
72      145         150         155         160
73      Gly Leu Leu Arg Leu Arg Gly Gly Gly Ile Phe Ser Asn Leu Arg Val
74      165         170         175
75      Gln Gly Cys Met Pro Gln Pro Gly Cys Asn Leu Leu Asn Gly Thr Gln
76      180         185         190
77      Glu Ile Gly Pro Val Gly Met Thr Glu Asn Cys Asn Arg Lys Asp Phe
78      195         200         205
79      Leu Thr Cys His Arg Gly Thr Thr Ile Met Thr His Gly Asn Leu Ala
80      210         215         220
81      Gln Glu Pro Thr Asp Trp Thr Thr Ser Asn Thr Glu Met Cys Glu Val
82      225         230         235         240
83      Gly Gln Val Cys Gln Glu Thr Leu Leu Leu Ile Asp Val Gly Leu Thr
84      245         250         255
85      Ser Thr Leu Val Gly Thr Lys Gly Cys Ser Thr Val Gly Ala Gln Asn
86      260         265         270
87      Ser Gln Lys Thr Thr Ile His Ser Ala Pro Pro Gly Val Leu Val Ala
88      275         280         285
89      Ser Tyr Thr His Phe Cys Ser Ser Asp Leu Cys Asn Ser Ala Ser Ser
90      290         295         300
91      Ser Ser Val Leu Leu Asn Ser Leu Pro Pro Gln Ala Ala Pro Val Pro
92      305         310         315         320
93      Gly Asp Arg Gln Cys Pro Thr Cys Val Gln Pro Leu Gly Thr Cys Ser
94      325         330         335

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95      Ser Gly Ser Pro Arg Met Thr Cys Pro Arg Gly Ala Thr His Cys Tyr
96              340              345              350
97      Asp Gly Tyr Ile His Leu Ser Gly Gly Gly Leu Ser Thr Lys Met Ser
98              355              360              365
99      Ile Gln Gly Cys Val Ala Gln Pro Ser Ser Phe Leu Leu Asn His Thr
100             370             375             380
101      Arg Gln Ile Gly Ile Phe Ser Ala Arg Glu Lys Arg Asp Val Gln Pro
102             385             390             395             400
103      Pro Ala Ser Gln His Glu Gly Gly Gly Ala Glu Gly Leu Glu Ser Leu
104              405              410              415
105      Thr Trp Gly Val Gly Leu Ala Leu Ala Pro Ala Leu Trp Trp Gly Val
106              420              425              430
107      Val Cys Pro, Ser Cys
108              435

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110 <210> SEQ ID NO: 3

111 <211> LENGTH: 24

112 <212> TYPE: DNA

113 <213> ORGANISM: Homo sapiens

114 <400> SEQUENCE: 3

115 aaaagcagaa agagattacc agcc

24

117 <210> SEQ ID NO: 4

118 <211> LENGTH: 24

119 <212> TYPE: DNA

120 <213> ORGANISM: Homo sapiens

121 <400> SEQUENCE: 4

122 ggctggtaat ctctttctgc tttt

24

124 <210> SEQ ID NO: 5

125 <211> LENGTH: 13

126 <212> TYPE: PRT

127 <213> ORGANISM: Homo sapiens

128 <400> SEQUENCE: 5

129 Lys Val Ser Asp Leu Pro Arg Gln Trp Thr Pro Lys Asn

130 1 5 10

132 <210> SEQ ID NO: 6

133 <211> LENGTH: 15

134 <212> TYPE: PRT

135 <213> ORGANISM: Homo sapiens

136 <400> SEQUENCE: 6

137 Ser Ala Arg Glu Lys Arg Asp Val Gln Pro Pro Ala Ser Gln His

138 1 5 10 15

140 <210> SEQ ID NO: 7

141 <211> LENGTH: 27

142 <212> TYPE: DNA

143 <213> ORGANISM: Artificial Sequence

144 <220> FEATURE:

145 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer

146 <400> SEQUENCE: 7

147 attaggttat gagtcagag ggaggtt

27

149 <210> SEQ ID NO: 8

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151 <212> TYPE: DNA
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154 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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159 <211> LENGTH: 28
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
164 <400> SEQUENCE: 9
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VERIFICATION SUMMARY

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